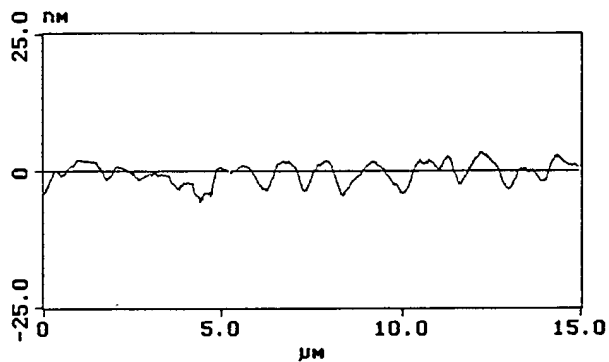


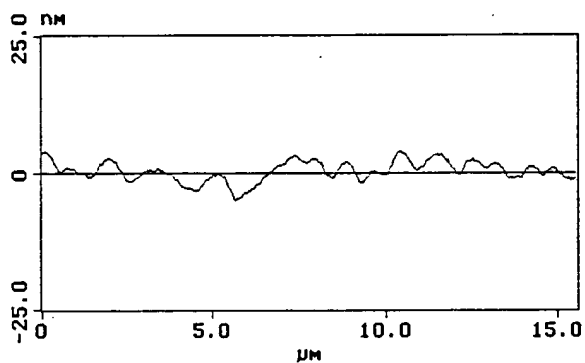
Growth surface
prior to growth
of the lower
DBR

Figure 1A



Growth surface
after the growth
of 20 DBR
pair layers

Figure 1B



Growth surface
during growth of the
active region

Figure 1C

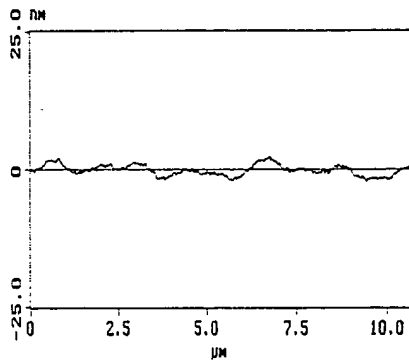


Figure 2A (PRIOR ART)
NxN modal
pattern

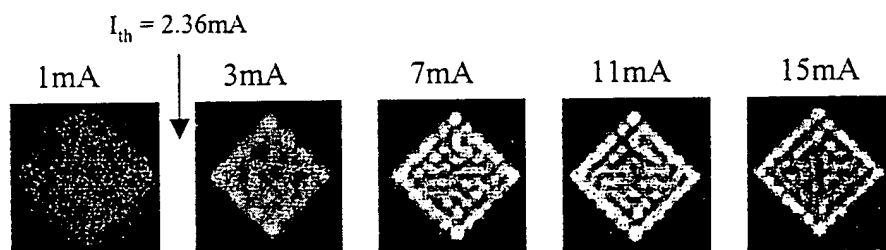
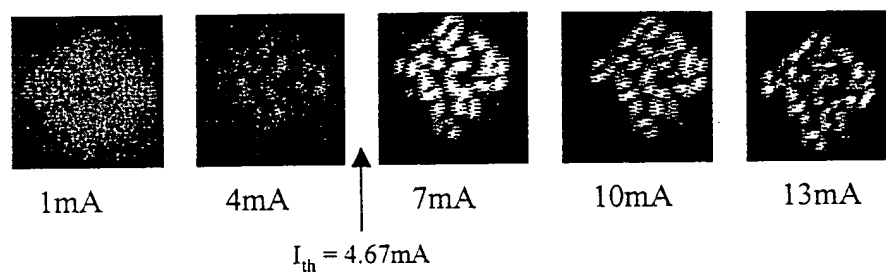
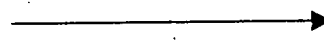


Figure 2B
spatially fixed
modal pattern



Low state



High state

Modal Pattern Peak Spacing with Drive Current

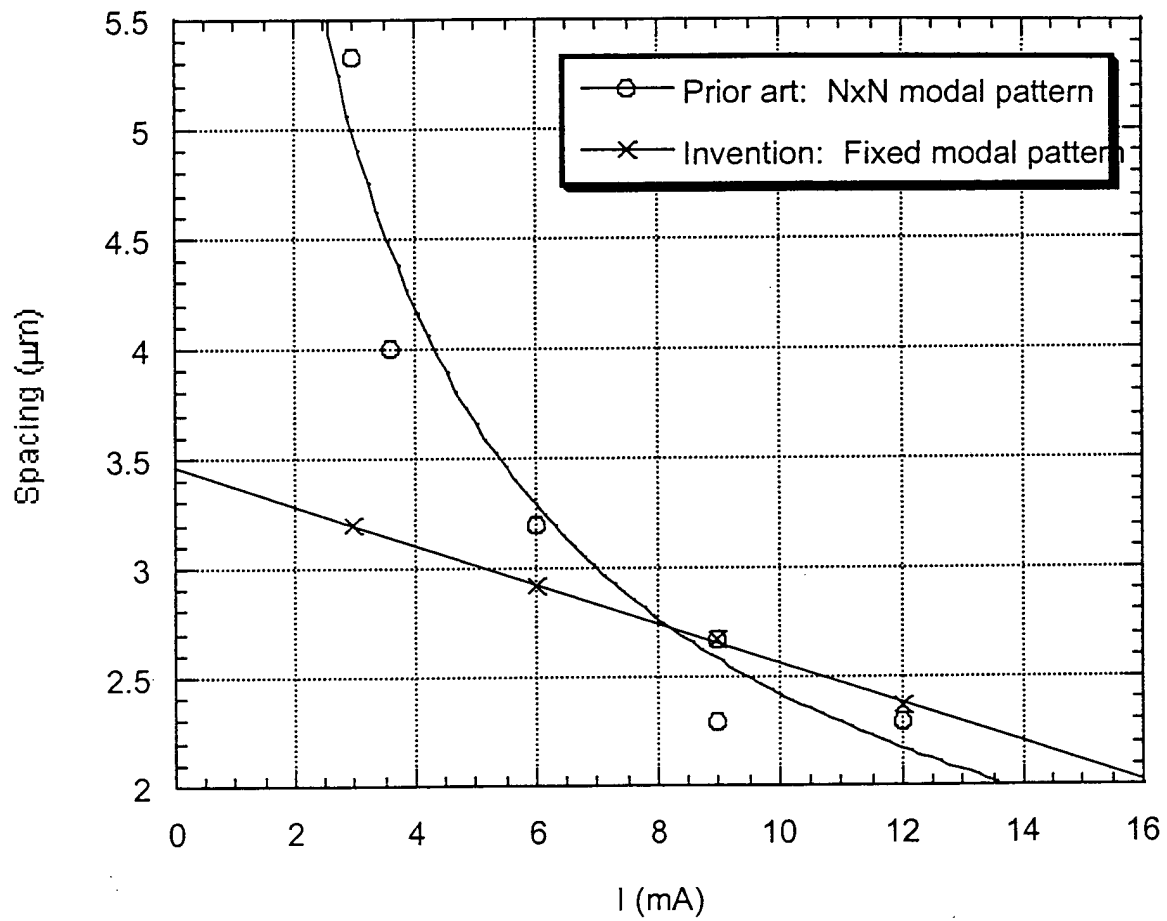


Figure 3

00500T" 92708950

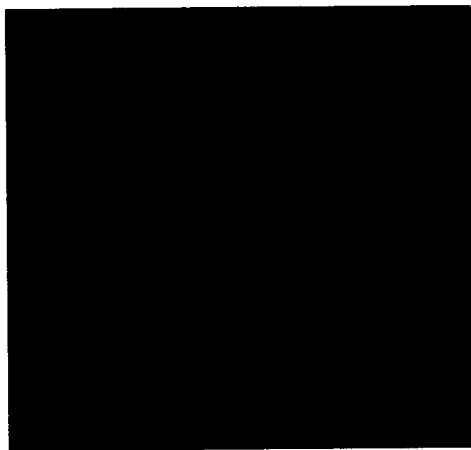


Figure 4

005001" 92708950

Spectral Width as a Function of Bias Current

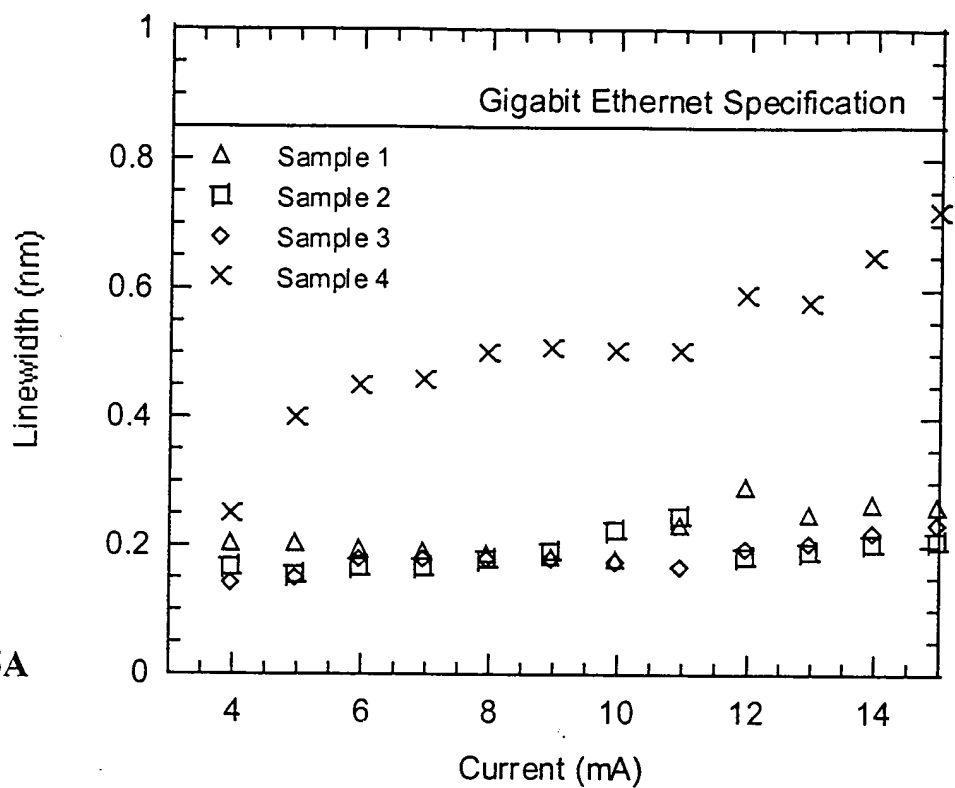


Figure 5A

Optical Spectrum at 2mW Output Power

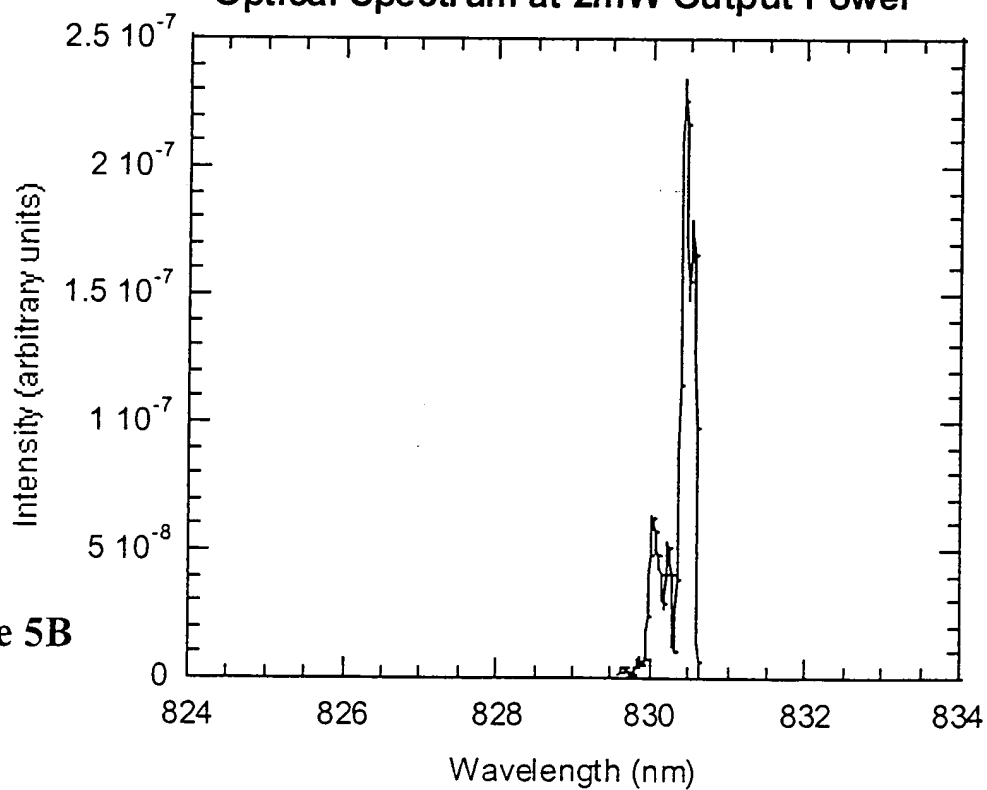


Figure 5B

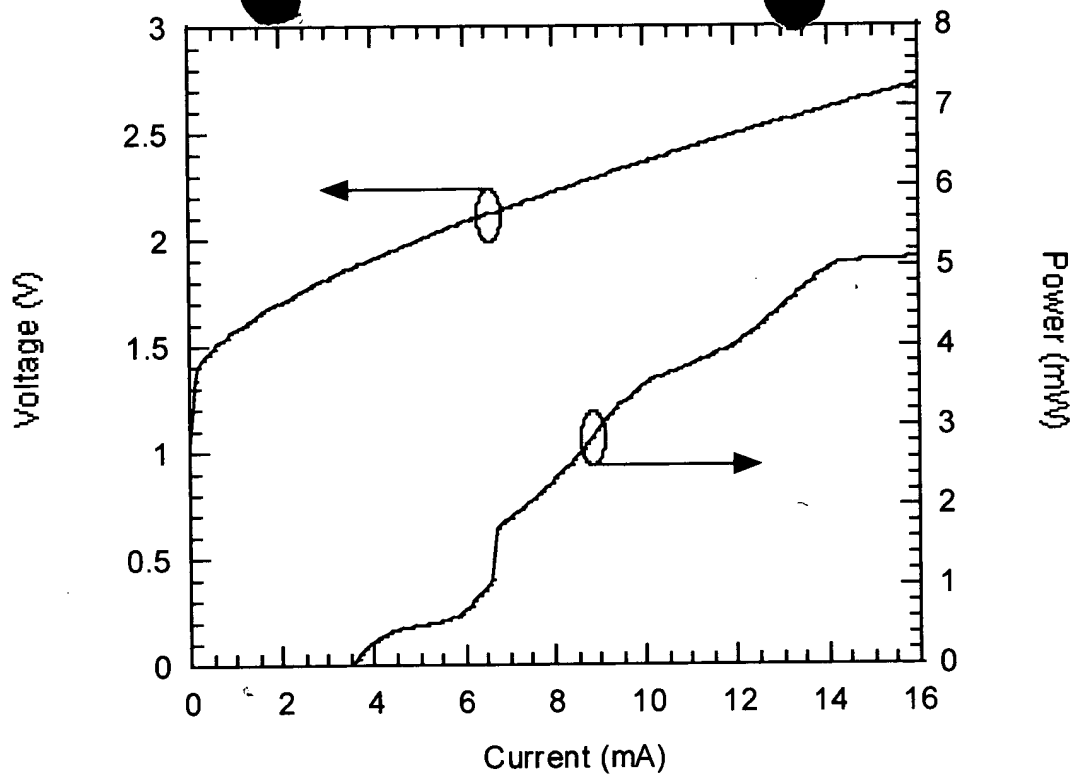


Figure 6a Prior art

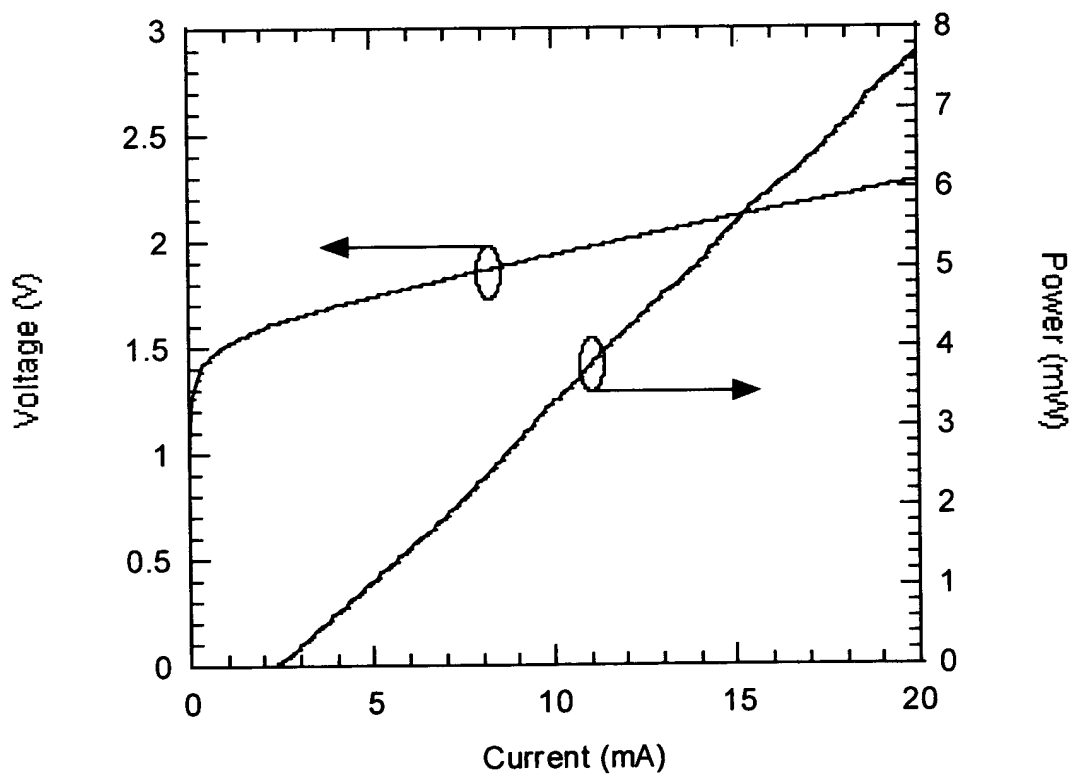


Figure 6b